

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A heat-meltable fluoropolymer composite composition comprising a heat-meltable fluoropolymer fine powder that is an agglomerate powder having average particle size of not more than 10  $\mu$ m which comprises agglomerated colloidal fine particles of the heat-meltable fluoropolymer, and a layered-compound organically modified with tetraphenyl phosphonium ions.

2. (Canceled)

3. (Currently Amended) The heat-meltable fluoropolymer composite composition according to claim 1, wherein said heat-meltable fluoropolymer is a polymer or copolymer of at least a monomer selected from the group consisting of tetrafluoroethylene, hexafluoropropylene, perfluoro(alkylvinylether), vinylidene fluoride and vinyl fluoride, and a copolymer of any of these monomers and ethylene or propylene.

4. (Previously Presented) The heat-meltable fluoropolymer composite composition according to claim 1, wherein at least part of said heat-meltable fluoropolymer is heat-meltable fluoropolymer containing a functional group.

5. (Previously Presented) The heat-meltable fluoropolymer composite composition according to claim 1, wherein said layered-compound is at least one selected from the group consisting of clay mineral, mica and graphite which is not more than 10  $\mu\text{m}$  in average particle size.

6. (Previously Presented) The heat-meltable fluoropolymer composite composition according to claim 5, wherein said layered-compound is clay mineral or mica.

7. (Previously Presented) The heat-meltable fluoropolymer composite composition according to claim 6, whose nitrogen gas transmission rate is not more than 0.60 times as high as that of heat-meltable fluoropolymer containing no layered-compound.

8. (Previously Presented) The heat-meltable fluoropolymer composite composition according to claim 6, whose storage modulus at 25°C is not less than 1.5 times as high as that of heat-meltable fluoropolymer containing no layered-compound.

9. (Withdrawn - Currently Amended) A process for manufacturing a heat-meltable fluoropolymer composite composition which comprises a ~~process-step~~ (I) in which a heat-meltable fluoropolymer composite composition is obtained by mixing a heat-meltable fluoropolymer fine powder and a layered-compound and a ~~process-step~~ (II) in which such heat-meltable fluoropolymer composite composition thus obtained is melt-mixed by exerting shear stress by means of a melt-mixing extruder.

10. (Withdrawn) The process for manufacturing a heat-meltable fluoropolymer composite composition according to claim 9, wherein said heat-meltable fluoropolymer fine powder is an agglomerate powder having average particle size of not more than 10  $\mu\text{m}$  which comprises agglomerated colloidal fine particles of heat-meltable fluoropolymer.

11. (Withdrawn) The process for manufacturing a heat-meltable fluoropolymer composite composition according to claim 9, wherein the mixing of a heat-meltable fluoropolymer fine powder and a layered-compound is carried out by use of a high-speed rotary mixer whose blades or cutter knives have a circumferential velocity of not less than 35 m/sec.

12. (Withdrawn - Currently Amended) A heat-meltable fluoropolymer composite composition which is obtained by a ~~process~~step (I) in which a heat-meltable fluoropolymer composite composition is obtained by mixing a heat-meltable fluoropolymer fine powder and a layered-compound and a ~~process~~step (II) in which such heat-meltable fluoropolymer composite composition thus obtained is melt-mixed by exerting shear stress by means of a melt-mixing extruder.

13. (Withdrawn) The heat-meltable fluoropolymer composite composition according to claim 12, wherein said layered-compound is organically modified with onium ions.

14. (Withdrawn) The heat-meltable fluoropolymer composite composition according to claim 12, wherein said layered-compound is at least one selected from the group

consisting of clay mineral, mica and graphite which is not more than 10  $\mu\text{m}$  in average particle size.

15. (Withdrawn) The heat-meltable fluoropolymer composite composition according to claim 12, whose nitrogen gas transmission rate is not more than 0.60 times as high as that of heat-meltable fluoropolymer containing no layered-compound.

16. (Withdrawn) The heat-meltable fluoropolymer composite composition according to claim 12, whose storage modulus at 25°C is not less than 1.5 times as high as that of heat-meltable fluoropolymer containing no layered-compound.

17. (Withdrawn) The heat-meltable fluoropolymer composite composition according to claim 12, whose specific thermal conductivity is not less than 2 times as high as that of heat-meltable fluoropolymer containing no layered-compound.